Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method, comprising:

receiving into an apparatus a multi-carrier transmission time-sliced into bursts, wherein the multicarrier transmission comprises one or more symbols each including a plurality of carriers;

establishing in the apparatus a correspondence pattern matrix for pilot carriers by accessing at least two symbols from the multi-carrier transmission;

correlating in the apparatus carriers of the first symbol with the corresponding carriers of the second symbol within the matrix;

determining in the apparatus a correlation maximum indicating a pilot carrier position; and

synchronizing the apparatus to the multi-carrier transmission bursts by finding the index of received symbols based on the pilot carrier position.

2. (Previously Presented) The method according to claim 1, wherein the accessed symbols are selected so that the correspondence pattern is adapted to be established between pilot carriers of the symbols for certain carrier positions within the matrix of the symbols.

3. (Previously Presented) The method according to claim 1, wherein the step of accessing comprises:

receiving the first symbol of the transmission,

delaying the first symbol in relation to the second symbol, wherein the symbols are adapted to establish the correspondence pattern for pilot carriers in the matrix of the two symbols.

4. (Previously Presented) The method according to claim 1, wherein the accessed symbols comprise currently a received symbol and a certain predetermined other symbol following the currently received symbol.

5. (Previously Presented) The method according to claim 4, wherein the accessed symbols comprise a currently received symbol and a certain predetermined other symbol following the currently received symbol so that the correspondence pattern is adapted to be established between pilot carriers of the symbols for certain carrier positions within the matrix of the symbols.

6. (Previously Presented) The method according to claim 4, wherein the certain predetermined other symbol is the fourth symbol received by the apparatus as determined beginning from the currently received symbol.

7. (Previously Presented) The method according to claim 1, wherein the step of correlating comprises:

performing a first correlation between first possible pilot carrier positions of the first symbol and first possible pilot carrier positions of the second symbol,

performing a second correlation between second possible pilot carrier positions of the first symbol and second possible pilot carrier positions of the second symbol,

performing a third correlation between third possible pilot carrier positions of the first symbol and third possible pilot carrier positions of the second symbol,

performing a fourth correlation between fourth possible pilot carrier positions of the first symbol and fourth possible pilot carrier positions of the second symbol,

detecting the correlation maximum magnitude from the first, second, third, and fourth correlations for indicating the current scattered pilot raster position.

8. (Previously Presented) The method according to claim 7, wherein the first correlation is calculated based on the following formulae:

$C_1(n) = \left| \sum_{p=0}^{p_{\max}} S(n,12p+12) \cdot S^*(n-4,12p+12) \right|$, wherein S(n,c) denotes c-th subcarrier of the current symbol and $p_{\max}$ denotes last index of the current symbol, which depends on the used mode of the transmission.

9. (Previously Presented) The method according to claim 7, wherein the second correlation is calculated based on the following formulae:

$$C_2(n)=\left|\sum_{p=0}^{p_{\max}} S(n,12p+3)\cdot S^*(n-4,12p+3)\right|$$, wherein S(n,c) denotes c-th subcarrier of the current symbol and $p_{\max}$ denotes last index of the current symbol, which depends on the used mode of the transmission.

10. (Previously Presented) The method according to claim 7, wherein the third correlation is calculated based on the following formulae:

$$C_3(n)=\left|\sum_{p=0}^{p_{\max}} S(n,12p+6)\cdot S^*(n-4,12p+6)\right|$$, wherein S(n,c) denotes c-th subcarrier of the current symbol and $p_{\max}$ denotes last index of the current symbol, which depends on the used mode of the transmission.

11. (Previously Presented) The method according to claim 7, wherein the fourth correlation is calculated based on the following formulae:

$$C_4(n)=\left|\sum_{p=0}^{p_{\max}} S(n,12p+9)\cdot S^*(n-4,12p+9)\right|$$, wherein S(n,c) denotes c-th subcarrier of the current symbol and $p_{\max}$ denotes last index of the current symbol, which depends on the used mode of the transmission.

12. (Previously Presented) The method according to claim 7, wherein the first correlation is calculated based on the following formulae:

$$C_1(n)=\left|\sum_{p=0}^{p_{\max}} S(n,12p)\cdot S^*(n-4,12p)\right|$$, wherein S(n,c) denotes c-th subcarrier of the current symbol and $p_{\max}$ denotes last index of the current symbol, which depends on the used mode of the transmission.

13. (Previously Presented) The method according to claim 7, wherein in the step of detecting the correlation maximum magnitude is based on the following formulae:

$C_{\max}(n) = \max(C_p(n)), p \in \{1,2,3,4\}$, wherein $C_p(n)$ denotes the first, second, third, and fourth correlations, p is adapted to determine pilot carrier positions for identifying a certain symbol, and

the current scattered pilot raster position (SPRP) is found based on the following formulae:

$SPRP(n) = \arg\max_p(C_p(n)), p \in \{1,2,3,4\}$, wherein the $C_p(n)$ denotes the first, second, third, and fourth correlations, p is adapted to determine pilot carrier positions for identifying a certain symbol.

14. (Previously Presented) The method according to claim 1, wherein the multi-carrier transmission comprises orthogonal frequency-division multiplexing (OFDM) transmission using time slicing, the one or more symbols comprise OFDM symbols and the plurality of carriers comprise data carriers and scattered pilot carriers.

15. (Canceled).

16. (Previously Presented) The method according to claim 1, wherein the multi-carrier transmission comprises digital video broadcast (DVB) transmission using time slicing based on bursts, and synchronization into the bursts is adapted to be based on the indicated pilot position for finding an indication indicating the orthogonal frequency-division multiplexing (OFDM) symbol.

17. (Currently Amended) A system, comprising:

means ~~configured to receive~~ for receiving into a multi-carrier transmission time-sliced into bursts, wherein the multicarrier transmission comprises one or more symbols each including a plurality of carriers;

means ~~configured to establish~~ for establishing in the apparatus a correspondence pattern matrix for pilot carriers by accessing at least two symbols from the multi-carrier transmission;

means ~~configured to correlate~~ for correlating in the apparatus carriers of the first symbol with the corresponding carriers of the second symbol within the matrix for determining a correlation maximum for indicating a pilot carrier position; and

means ~~configured to synchronize~~ for synchronizing the apparatus to the multi-carrier transmission bursts by finding the index of received symbols based on the pilot carrier position.

18. (Currently Amended) A receiver, comprising:

a signal receiver ~~for receiving~~ configured to receive a multi-carrier transmission time-sliced into bursts, wherein the multicarrier transmission comprises one or more symbols each including a plurality of carriers;

a Fast Fourier Transform (FFT) ~~means for~~ block configured to FFT ~~transformation of~~ transform the received transmission for obtaining at least two symbols of the transmission;

a delay ~~means for delaying~~ block configured to delay an obtained first symbol to obtain another symbol, wherein a matrix, comprising the symbols and their respective carriers, is adapted to establish a correspondence pattern for pilot carriers of the first symbol with pilot carriers of the other symbol within the matrix;

a correlator ~~means for correlating~~ configured to correlate carriers of the symbol with the corresponding carriers of the another symbol within the matrix;

an accumulator ~~means for accumulating~~ configured to accumulate correlation results obtained from the correlator;

~~means for detecting~~ a decision block configured to detect a correlation maximum from the correlation results for indicating a pilot carrier position; and

~~means for synchronizing~~ a synchronizer configured to synchronize the receiver to the multi-carrier transmission bursts by finding the index of received symbols based on the pilot carrier position.

19. (Currently Amended) The receiver according to claim 18, wherein computational resources for performing the operations of at least the correlator ~~means~~ and the ~~means for~~

~~detecting~~ decision block comprises the same computational resources which are ~~adapted~~ configured to perform a post-FFT acquisition in the receiver.

20. (Currently Amended) The receiver according to claim 18, wherein a buffer ~~means~~ of the receiver is ~~adapted~~ configured to contain the delay ~~means~~ block, the correlator ~~means~~, the accumulator ~~means~~, and the ~~means for detecting the correlation maximum~~ decision block.